

**USES FOR MEDICAL DEVICES HAVING A LUBRIOUS,  
NITRIC OXIDE-RELEASING COATING**

**ABSTRACT**

Methods are provided for delivering nitric oxide to the vascular tissue of a patient to  
5 inhibit or prevent restenosis or improve vascular function following various surgical procedures  
or associated with various NO-related conditions. The disclosed methods comprise contacting  
the vascular tissue of a patient with a medical device coated with a coating comprising nitric  
oxide associated with and releaseable from a polyurea network formed from the reaction on said  
medical device of a polyisocyanate; an amine donor and/or hydroxyl donor; an isocyanatosilane  
10 adduct having terminal isocyanate groups and at least one hydrolyzable alkoxy group bonded to  
silicon; and optionally a polymer selected from the group consisting of polyethylene oxide,  
polyvinyl pyrrolidone, polyvinyl alcohol, polyethylene glycol, and polyacrylic acid.